

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Kevin J. KAYSER  
John J. KILBANE II

Serial No.: 10/658,691

Filing Date: 09 September 2003

Title: METHOD FOR METABOLIZING  
CARBAZOLE IN PETROLEUM

Group No.: 1651

Examiner:  
Kosson, Rosanne

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with Rules 1.56 and 1.98, the references listed on Form PTO-1449 are hereby brought to the attention of the Examiner as being possibly material to examination of the subject patent application.

Form PTO-1449 (2 pages) is enclosed with a copy of each and every reference cited on Form PTO-1449.

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I hereby certify that this correspondence (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

29 October 2004

29 Oct. 2004  
Date

Ruth E. Tj  
Signature

Serial No.: 10/658,691

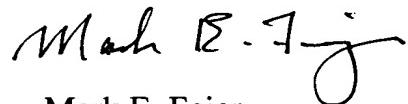
This Information Disclosure Statement, which is being filed after the first Office Action, but before a Final Action or Notice of Allowance, is being filed pursuant to an Office Action mailed 13 July 2004 in which the Examiner indicated that copies of certain references cited in the Form PTO-1449 filed with the Information Disclosure Statement filed with the subject application on 09 September 2003 were not present and, thus, were not considered. Applicants respectfully urge that copies of all of the references cited in the Information Disclosure Statement of 09 September 2003 were, in fact, enclosed therewith. In support of this assertion, Applicants are enclosing a copy of the return receipt postcard stamped by the mail room of the U.S. Patent and Trademark Office evidencing receipt of "copies of each and every cited reference." In view of the fact that copies of the references enclosed with the present Information Disclosure Statement have already been submitted and received by the U.S. Patent and Trademark Office, Applicants respectfully urge that the fee normally required to be paid for the submission of an Information Disclosure Statement after the first Office Action should not have to be paid and Applicants respectfully request that the fee requirement in the instant case be waived.

Notwithstanding, if it is determined that the fee set forth in 37 CFR 1.17(p) is, in fact, required in order to have the enclosed prior art references considered, the Commissioner is hereby authorized to charge the fee set forth in 37

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CFR 1.17(p) to Deposit Account No. 502045. For this purpose, a duplicate copy of this sheet is enclosed.

Respectfully submitted,



Mark E. Fejer  
Regis. No. 34,817

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FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. GTI-1512	SERIAL NO. 10/658,691
<b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)		APPLICANT(S) Kevin J. KAYSER et al.	
		FILING DATE 09 September 2003	GROUP 1651

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

A		Shepherd, J. M. et al., "Novel Carbazole Degradation Genes of <i>Sphingomonas</i> CB3: Sequence Analysis, Transcription, and Molecular Ecology", <i>Biochemical and Biophysical Research Communications</i> , <b>247</b> , 129-135 (1998)
AS		Nojiri, H. et al., "Organization and Transcriptional Characterization of Catechol Degradation Genes Involved in Carbazole Degradation by <i>Pseudomonas resinovorans</i> Strain CA10", <i>Biosci. Biotechnol. Biochem.</i> , <b>66</b> (4), 897-901 (2002)
AT		Kirimura, K. et al., "Selective and Continuous Degradation of Carbazole Contained in Petroleum Oil by Resting Cells of <i>Sphingomonas</i> sp. CDH-7", <i>Biosci. Biotechnol. Biochem.</i> , <b>63</b> (9), 1563-1568 (1999)

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985

FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. GTI-1512	SERIAL NO. 10/658,691
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	AN							
	AO							
	AP							

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR	Loh, K. et al., "Kinetics of Carbazole Degradation by <i>Pseudomonas putida</i> in Presence of Sodium Salicylate", <i>Wat. Res.</i> , Vol. 34, No. 17, pp. 4131-4138 (2000)							
AS	Ellis, L. B. M. et al., "The University of Minnesota Biocatalysis/Biodegradation Degradation: Emphasizing Enzymes", <i>Nucleic Acids Research</i> , Vol. 29, No. 1, pp. 340-343, (2001)							
AT	Maidak, B. L. et al., "The RDP-II (Ribosomal Database Project)", <i>Nucleic Acids Research</i> , Vol. 29, No. 1, pp. 173-174 (2001)							

EXAMINER

DATE CONSIDERED

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